# **SERVICE MANUAL**

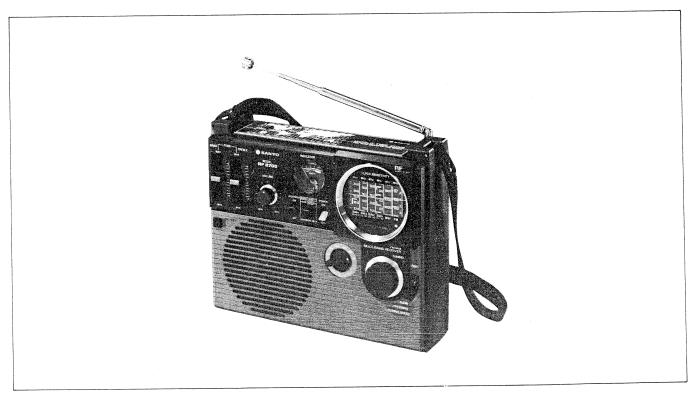
# PORTABLE RADIO

MARKET IDENTIFICATION BY MODEL NUMBER SUFFIX

RP8700SS: Model for general market RP8700AS: Model for Australian market



RP8700 SS/AS



# SPECIFICATIONS

Frequency Ranges:	MW 510 - 1605 kHz (505 - 1650 kHz) SW1 2.3 - 7.3 MHz (2.2 - 7.6 MHz) SW2 9.5 - 12.0 MHz (9.4 - 12.2 MHz) SW3 15.1 - 17.9 MHz (15.0 - 18.2 MHz) SW4 21.4 - 28.0 MHz (21.2 - 28.5 MHz) FM 87.5 - 108 MHz (87.0 - 109.0 MHz)	D301 MV11T Stabilizer D302 DS442 Meter D304 1S188AM AM Detector D305 MA26W Stabilizer D306 1S188FM FM Discriminator D307 1S188FM FM Discriminator D308 YZ047 Regulator
Intermediate	AM 455 kHz	D701 DS132 Rectifier
Frequency:	FM 10.7 MHz	D702 DS131 Rectifier
ICs:	IC701 LA4100K Power Amp.	Sensitivity MW 33 $\mu$ V/m
	IC702 LA4100K Power Amp.	(for 50mW output): SW1 10μV
Transistors:	Q101 2SC930E FM RF Amp.	SW2 $4\mu$ V
	Q102 2SC930D FM Converter	SW3 $4\mu$ V
	Q103 2SC929D AM Mixer	$FM 4\mu V$
	Q301 2SC930E FM IF Amp.	SW4 $4\mu$ V
	Q302 2SC930E FM/AM IF Amp.	Power Output: Maximum 2000mW
	Q303 2SC930E FM/AM IF Amp.	Undistorted 1600mW
	Q304 2SC930D FM/AM IF Amp. Q305 2SC930D FM IF Amp.	Power Source: DC: 6.0V for 1.5V "D" Size x 4
	4000	AS: AC: 240V 50Hz 5W
	Q306 2SC536G Meter	ss: 120/200/240V 50/60Hz 5W
	Q701 2SC536G AF Amp.	Speaker: 12cm Permanent Dynamic Speaker 8 ohm
	Q104 2SC929D AM Oscillator	Dimensions: 259(W) x 212(H) x 89(D)mm
Diodes:	D101 DS442 FM Limitter	Weight
	D102 1S553 FM AFC	(without batteries): 2 Kg (Approx.)
	D105 1S188AM SW1 Limiter	Without participate 2 ing to the service
	D104 DS442	

#### **GENERAL ALIGNMENT CONDITIONS**

- 1. The position of volume control is at maximum position.
- 2. Signal input must be kept as low as possible to avoid overload.
- 3. Use an output meter of the highest possible sensitivity.
- 4. Standard modulation is 400 Hz at 30% amplitude (for AM) and 22.5 kHz deviation (for FM).

#### MW BAND - Band selector switch in MW position

Step	Connection of Signal Gen.	Input Signal Frequency	Dial Setting of Radio	Connection of Output Meter	Adjust .	Remarks
1	Loop Antenna	455 kHz	Lowest End	Across Speaker	IFT T304, 305	Adjust for Maximum
2	Same	505 kHz	Lowest End	Same	Osc. Coil L115	Same
3	Same	1650 kHz	Highest End	Same	Osc. Trim. CT-3	Same
4	Same	600 kHz	600 kHz	Same	Ant. Coil L110-1	Same
5	Same	1400 kHz	1400 kHz	Same	Ant. Trim. CT-4	Same

Repeat steps 1 thru 5 to obtain maximum sensitivity.

## FM BAND - Band selector switch in FM position

Step	Connection of Signal Gen.	Input Signal Frequency	Dial Setting of Radio	Connection of Meter or Oscilloscope	Adjust	Remarks	
1	Connect Sweep Marker Genera- tor to VC ANT., Earth	10.7 MHz	Lowest End	Connect scope input cable thru network to TP4, Earth	IFT, T301, 302	Adjust for Maximum sensitivity with symmetrical curve	
2	Same	10.7 MHz	Lowest End	Connect scope input cable thru network to R338, Earth	IFT T303	Adjust for symmetri- cal "S" curve	
3	Connect Signal Generator to TP2, 3	87.0 MHz	Lowest End	Connect V.T.V.M. across speaker	Osc. Coil L104	Adjust for Maximum	
4	Same	109.0 MHz	Highest End	Same	Osc. Trim. CT-2	Same	
5	Same	90 MHz	90 MHz	Same	RF Coil L101, 102	Same	
6	Same	108 MHz	108 MHz	Same	RF Trim. CT-1	Same	

Repeat steps 1 thru 6 to obtain maximum sensitivity.

#### SW1 BAND - Band selector switch in SW1 position

Step	Connection of Signal Gen.	Input Signal Frequency	Dial Setting of Radio	Connection of Output Meter	Adjust	Remarks
1	Dummy Antenna	2.2 MHz	Lowest End	Across Speaker	Osc. Coil L116	Adjust for Maximum
2	Same	7.6 MHz	Highest End	Same	Osc. Trim. CT-9	Same
3	Same	2.5 MHz	2.5 MHz	Same	Ant. Coil L110-2	Same
4	Same	6.8 MHz	6.8 MHz	Same	Ant. Trim. CT-5	Same

Repeat steps 1 thru 4 to obtain maximum sensitivity.

### SW2 BAND - Band selector switch in SW2 position

Step	Connection of Signal Gen.	Input Signal Frequency	Dial Setting of Radio	Connection of Output Meter	Adjust	Remarks
5	Dummy Antenna	9.4 MHz	Lowest End	Same	Osc. Coil L117	Adjust for Maximum
6	Same	12.2 MHz	Highest End	Same	Osc. Trim. CT-10	Same
7	Same	9.6 MHz	9.6 MHz	Same	Ant. Coi. L112	Same
8	Same	11.8 MHz	11.8 MHz	Same	Ant. Trim. CT-6	Same

Repeat steps 5 thru 8 to obtain maximum sensitivity.

## SW3 BAND - Band selector switch in SW3 position

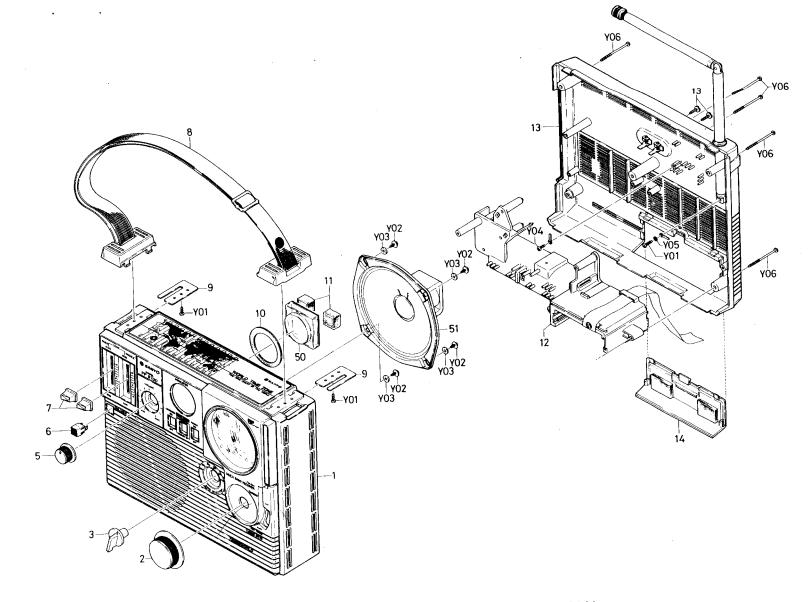
Step	Connection of Signal Gen.	Input Signal Frequency	Dial Setting of Radio	Connection of Output Meter	Adjust	Remarks
1	Dummy Antenna	15.0 MHz	Lowest End	Across Speaker	Osc. Coil L119	Adjust for Maximum
2	Same	18.2 MHz	Highest End	Same	Osc. Trim. CT-11	Same
3	Same	15.3 MHz	15.3 MHz	Same	Ant. Coil L113	Same
4	Same	17.8 MHz	17.8 MHz	Same	Ant. Trim. CT-7	Same

Repeat steps 1 thru 5 to obtain maximum sensitivity.

## SW4 BAND — Band selector switch in SW4 position

Step	Connection of Signal Gen.	Input Signal Frequency	Dial Setting of Radio	Connection of Output Meter	Adjust	Remarks
5	Dummy Antenna	21.2 MHz	Lowest End	Same	Osc. Coil L122	Adjust for Maximum
6	Same	28.5 MHz	Highest End	Same	Osc. Trim. CT-12	Same
7	Same	21.6 MHz	21.6 MHz	Same	Ant. Coil L114	Same
8	Same	26.8 MHz	26.8 MHz	Same	Ant, Trim, CT-8	Same

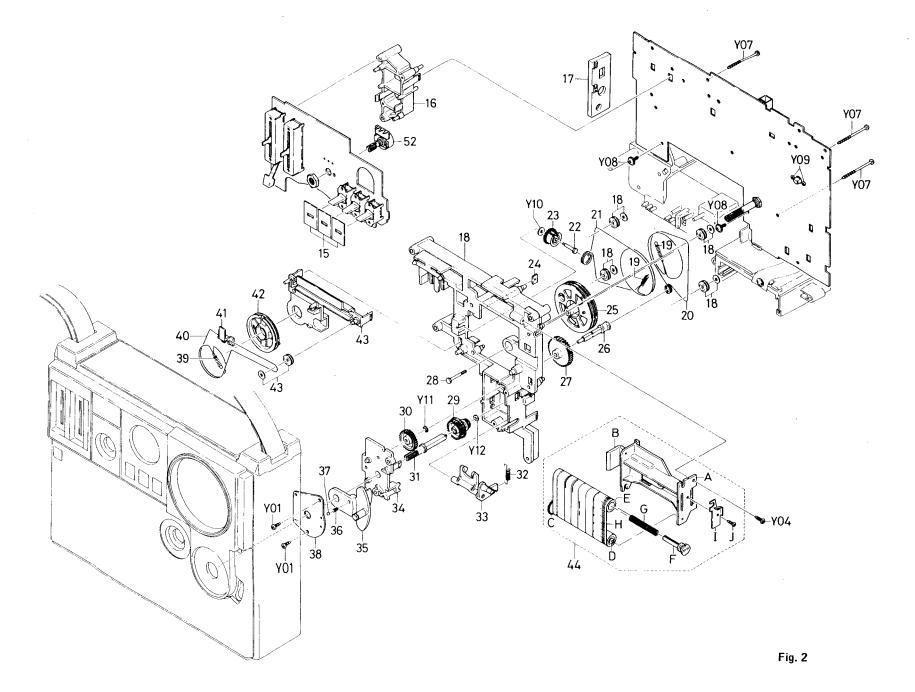
Repeat steps 5 thru 8 to obtain maximum sensitivity.



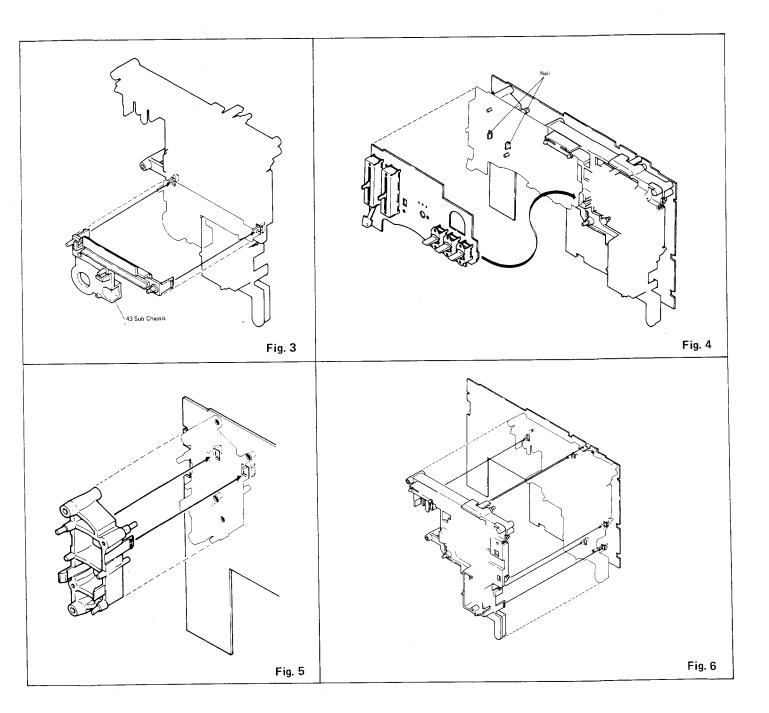
# CABINET DISASSEMBLY

- 1. Remove 5 screws (#Y06) fastening the cabinet back (#13) to the cabinet front (#1).
- 2. Pull the cabinet back open and disconnect a pair of antenna jumper leads from the circuit board.
- 3. Pull off 5 knobs (#2, #3, #5 and #7) found on the cabinet front.
- 4. Remove 3 red marked screws (#Y07) fixing the circuit board.
- 5. Disconnect a pair of speaker jumper leads from the circuit board.
- 6. Take out the circuit board.

Fig. 1



4



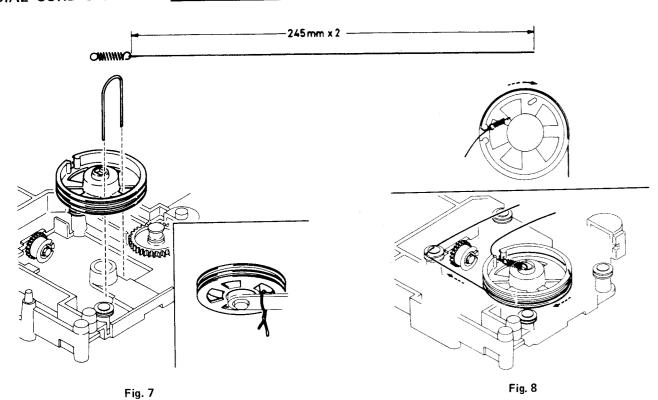
- 1. Disengage a righthand catch
  Disassemble the subchassis (#43) with its righthand catch disengaged from the chassis assembly
  (#18). (Refer to Fig. 3).
- 2. Disassemble the subchassis (#16)
  Disassemble the small circuit board by disengaging two plastic catches of the subchassis (#16) from it. (Refer to Fig. 4).
- 3. Disassemble the dial mechanism (#44) with a screw (#Y04) removed from its section A.
- 4. Disassemble the chassis (#18) with its six catches disengaged from the circuit board, after removing a hex. head screw (#28). (Refer to Fig. 6)

Ref. No.	Part No.	Description	Q'ty
PAC	CKING MATERIAL	-	
	141-6-141T-08301 141-6-141T-08302 141-6-144T-26000 141-6-144T-28400 141-6-411T-73100 141-6-411T-73200 141-6-472T-05603	Individual Carton (RP8700SS) Individual Carton (RP8700AS) Pad, Left Side Pad, Right Side Instruction Book (RP8700SS) Instruction Book (RP8700AS) Caution Label (RP8700SS) Polyethylene Bag, 350 x 450mm, Set Polyethylene Bag, 100 x 200mm, Cord Sheet, 100 x 150mm	1 1 1 1 1 1 1 1 1
CA	BINET PARTS		
1 2 3 5 6 7 8 9 10 11 12 13 13	141-0-111T-255912 141-0-163T-09400 141-2-163T-28200 141-0-163T-10100 141-2-161T-25600 141-0-164T-03000 141-0-176T-06091 141-0-331T-02891 141-0-126T-160912 141-0-126T-160913 141-0-128T-03100	Cabinet Assembly Rotary Knob Assembly, TUNING Rotary Knob, BAND SELECTOR Rotary Knob Assembly, VOLUME Push Button, DIAL LIGHT Slide Knob Assembly, TREBLE/ BASS Shoulder Band Assembly Bracket Band, Holder Cushion, 36¢ x 46¢ x 1.5mm, Meter Cushion, 10 x 15 x 10mm, Meter Holder Battery Assembly Back Lid Assembly (RP8700SS) Back Lid Assembly (RP8700AS) Battery Lid Assembly	1 1 1 2 1 2 1 1 1 1 1
	ASSIS PARTS	Buttery Eta Assembly	ļ <u>-</u>
15 16 17 18 19 20 21 22 23 24 25 26 27 28 30 31 32 24 35 366 37 38 39 40 41 42 43 44 A B C D E F G H I J	141-2-241T-15100 141-2-312T-13400 141-2-312T-13400 141-2-143T-66600 141-0-311T-19991 123-2-481R-11800  141-2-538T-02700 141-2-538T-04000 141-2-538T-04000 141-2-581T-03300 141-2-581T-03300 141-2-581T-03300 141-2-581T-03300 141-2-581T-03300 141-2-581T-03100 141-2-581T-03100 141-2-581T-03100 141-2-381T-03100 141-2-381T-80500 141-2-310T-00700 141-0-162T-02700 123-2-481R-13800  141-0-511T-06291 141-2-538T-04100 141-2-538T-04100 141-2-538T-04100 141-2-538T-04100 141-2-538T-04100 141-2-538T-04100 141-2-538T-04100 141-2-581T-02900 123-2-210R-20100 141-2-581T-02300 141-2-581T-02300 141-2-581T-02300 141-2-851T-86700 141-2-853T-37100	Veil, Snap Switch Sub Chassis Marking Plate, PHONO/RADIO, EARPHONE, HEAD PHONES Chassis Assembly Spring Coil, Dial Rope Dial Rope, 0.3¢ x 450mm Dial Rope, 0.3¢ x 650mm Pulley Shaft, Drum mtg. Drum Plate Nut Drum, Tuning Capacitor Tuning Shaft Gear, 27¢ Hexagon Screw, 2.6 x 20mm Gear, 20¢ Gear, 18¢ Tuning Shaft Spring Coil Lever Bracket Lever Knob Assembly, Tuning Speed Spring Coil Steel Ball, 1/8 inch dia. Bracket, Lever Spring Coil, Band Selector Dial Rope, 0.3¢ x 500mm Pointer Assembly Drum, Band Selector Sub Chassis, Band Selector Bracket Assembly, Dial Mechanism Bracket Refractor Gear Bracket Drum Gear Spring Coil Dial Scale Spring Plate Tapping Screw, Pan Hd., 2.3 x 4mm Rubber Cushion, 3.5¢ x 6¢ x 3.5mm, Dial Light	3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

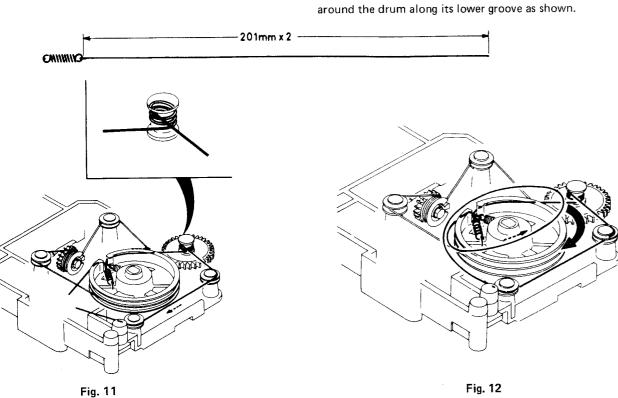
Ref. No.	1	Part No.	Description	Q'ty
СНА	SSIS	PARTS		
	141-6	-479T-11800	Label, Fuse, 1.25AT, P.C.B. mtg. Rubber Cushion, 6 x 6 x 9mm, Holder Battery mtg. Rubber Cushion, 7 x 7 x 1mm,	1 1
MOL	ILTUL	NG	P.C.B. mtg.	
Y01			Tapping Screw, Pan Hd., 3 x 12mm	5
Y02		1	Tapping Screw, Pan Hd. with Washer, 3 x 8mm	4
Y03 Y04		[ ]	Washer, 3 x 8 x 1mm Tapping Screw, Pan Hd., 3 x 8mm	4 4
Y05		1;	Spring Washer, 3mm	1
Y06 Y07			Tapping Screw, Pan Hd., 3 x 40mm Tapping Screw, Pan Hd., 3 x 35mm	5 3
Y08			Tapping Screw, Pan Hd., 3 x 10mm	3 2 2
Y09		:	Screw, Pan Hd., 2.6 x 4mm	2
Y10 Y11			Washer 2.1 x 9 x 0.5mm "E" ring, 3mm	1
Y12			Graphite Nylon Washer, $2.1 \times 6 \times 0.5$ mm	1
Y13			Screw, Pan Hd., with Washer, 3.x 8mm	1
Y14 Y15			Nut, 3mm Washer, 3 x 8 x 0.5mm	1
Y16		.	External Tooth Lock Washer, 3mm	1
Y17			Tapping Screw, Pan Hd., 3 x 20mm	1
Scher Locat		Part No.	Description	Q'ty
SEM	ICON	IDUCTORS		
Q101 302	,301, 2,303		Transistor, 2SC930E	4
	2,304,		Transistor, 2SC930D	3
Q103	,104		Transistor, 2SC929D	2 2
Q306			Transistor, 2SC536G Integrated Circuit, LA4100K	2
	,104,		Diode, DS442	3
302			Di-d- 10552	1
D102			Diode, 1S553 Diode, 1S188AM	2
D301			Diode, MV-11T	1
D305		4-205R-10100		1 2
D306	6,307 3		Diode, 1S188FM Diode, YZ-047	1
D701			Diode, DS132	1
D702	2		Diode, DS131	1
COI	LS &	TRANSFOR	RMERS	T
L101		4-265R-12800		1 1
L103		4-265R-05000 4-265R-00400		i
L104		4-265R-10500	VHF Coil, 4-1/2	1
L118	3,120 5,106	4-265R-01300 4-252T-05000		2 2
L100	,,100	4-253R-11100		
L107	7	4-252T-05700	or Choke Coil, 3.9µH, SW4	1
L108	3	4-252T-04800 4-253R-10700	) ∫or Choke Coil, 39µH, SW	1
L109	9	4-252T-05100 4-252T-06200	Choke Coil, 100µH, SW1	1
L110	)	4-257T-16301	Antenna Coil Assembly, MW/SW1	1
L112		4-257T-14300 4-257T-14400		1
L114		4-257T-14500		1
	5	4-258T-08900	Oscillator Coil, MW	1
L115		4-258R-25000 4-258T-12400		1
L116		4-258T-12500	Oscillator Coil, SW3	1
L116 L117 L119		1 4 0FOT 40000	Oscillator Coil, SW4	1
L116 L117 L119 L122	2	4-258T-12600	Chake Call 10 LL CM2	1 1
L116 L117 L119 L120 L120	2	4-252T-06500		
L116 L117 L119 L120 L120 L120 T30	2 3 4,125 1	4-252T-06500 4-253R-11100 4-256R-20830	O Choke Coil, 1µH, SW4 O IF Transformer, FM	1 2
L116 L117 L119 L127 L127	2 3 4,125 1 2	4-252T-06500 4-253R-11100	O Choke Coil, 1µH, SW4 O IF Transformer, FM O IF Transformer, FM	

chematic ocation	Part No.	Description	Q'ty	Schematic Location	Part No.	Description	Q'ty
	TRANSFORMER	RS		RESISTOR			
305	4-256T-00230	IF Transformer, AM	1		are Carbon	type, ±10% and 1/4W unless otherwise	se specified.
701	4-251T-47500	Power Trans. 120/200/240V (RP8700SS)		R122,723 R115,309		10 ohm 15 ohm	2
701	4-251T-47600	Power Trans. 240V (RP8700AS)	1	R120,131		33 ohm	2
IISCELL/	ANEOUS			R110 R121,715,		39 ohm 47 ohm	3
				717 R106		56 ohm	1
F301,302	4-256T-80400 \ 4-256T-80471			R727 R109,123,		68 ohm 100 ohm	4
	4-256T-80472 4-256T-80473	or IF Filter	2	304,726		150 ohm	1
	4-256T-80474	0 1 12 m 9 shm	1	R331 R308,721,		220 ohm	3
	4-151T-19700 4-612R-12475	Speaker, 12 cm, 8 ohm Lamp	1	103 R301,306		220 ohm	2
	4-511T-06800	Indicator, Meter Bead Core	1 2	R332		270 ohm 330 ohm	1 3
	123-2-471R-10400 4-244T-01200	Telescopid Rod Antenna	1 1	R126,307, 310			3
	4-235T-26800 141-2-135T-32200	Socket, Power Back Cover, Power Socket	1	R315,322, 330		390 ohm	
,	141-2-381T-01800	Bracket, Fuse Holder	2	R101,118,		470 ohm	5
	4-234T-03100 4-235T-31971	Fuse, 1.25A Socket, Head Phone	1	711,303, 305			
	4-235T-23100 4-235R-14000	Socket, DIN	1 1	R339,716		560 ohm 820 ohm	2
	141-2-322T-18900	Shield Plate, Parts Side	1	R104 R114,311,		1K ohm	10
	141-2-322T-18100 141-2-853T-40700	Shield Plate Pattern Side Spring Plate, Dial Light Switch	1	313,328, 724,725,			
	141-2-336T-04600 123-2-474R-00200	Terminal, Dial Light Switch	5	704,816,			
TP1,2,3, 5,6			1	333,334 R314		1.8K ohm	1 6
TP4	4-237T-00100 123-2-472R-00400		1	R112,335, 712,702,		2.2K ohm	
	141-2-464T-08700	Fixer, Lead mtg.	2	703,324		4.714	2
	141-2-336T-06800 141-2-336T-04904	Terminal Battery, (+)	2	R705,707 R302,336,		4.7K ohm 5.6K ohm	4
	141-2-336T-09400 141-2-322T-29400		1	337,323 R317,338,		6.8K ohm	3
	141-2-322T-29300	Shield Plate, IC	1	329			1
	4-243T-12600 141-2-382T-03071	Terminal Pilot Lamp Lead	3	R327 R130,325,		8.2K ohm 10K ohm	3
	141-2-322T-20900 4-243T-76401	Power Cord Assembly (RP8700SS)	1	709		12K ohm	1
	4-243T-12301	Power Cord Assembly (RP8700AS	1 1	R321 R102,105,	,	15K ohm	5
	4-253T-09200 4-226T-82891	11 P.C.B. Assembly, Main	1	111,113			
	4-226T-82991	11 P.C.B. Assembly, Sub	1	R706		22K ohm	1 3
CONTR	) C			R722,714	•	33K ohm	1
CONTRO	JL8		т	R320 R108,107		47K ohm 100K ohm	3
VC1-4)	4-224R-08400	Tuning Capacitor	1	319			
CT1-4 / CT5,9	4-224R-01400	Trimmer, 8pF	2 2	R718,719		220K ohm 390K ohm	1
CT6,12 CT7,8,	4-224R-01600 4-224R-11800	Trimmer, 16pF Trimmer, 16pF x 2	4	R713		1.5M ohm	
10,11 R326	4-222T-03100	Semi-fixed Resistor, 2K ohm, Meter	1	CAPACI	TORS (C	ERAMIC & MYLAR)	
R701	4-222T-47900	Zero Point Adjust Variable Resistor, 100K B, VOLUM	E 1 2	All Capac	itors are Cer	amic type, 50V unless otherwise spec	cified.
R708,710 S1	4-222T-47700 4-231T-52600	Variable Resistor, TREBLE/BASS Slide Switch, Band Select	1	C335		1pF, ±0.25pF	
S2,3	4-231T-52471	Slide Switch, AFC/LOUDNESS Slide Switch, RADIO/PHONO	1	C111,119	·,	3pF, ±0.25pF	Ì
S4 S5	4-231T-42100 4-231T-52400	Slide Switch, POWER	1	C106		3pF, ±0.25pF 4pF, ±0.25pF	
S6	4-231T-37600	Switch, 120/200/240V Voltage Selector	1	C151		6pF, ±0.5pF	
		33.00.0		C316		7pF, ±0.5pF 10pF, ±5%	l l
				C112,12	1,	12pF, ±5%	
				123 C115,11	7,	15pF, ±10%	
			Ì	118 C101,134	4.	20pF, ±10%	
			1	142			
				C104,14	٧ <u> </u>	22pF, ±5% 25pF, ±10%	
				C329 C137		30pF, ±10% 35pF, ±5%	
	1			C120,12		40pF, ±5%	
1			Ì	133,13	6		İ

Schematic Location	Part No.	Description	Q'ty
CAPACIT	ORS (CEF	RAMIC & MYLAR)	
C124,139 C149,725, 143 C343 C338 C110 C107,108,		56pF, ±5% 100pF, ±10% 100pF, ±10% 220pF, ±20% 470pF, ±20% 0.01μF, +80 -20%	2 3 1 1 1 1 6
301,307, 319,334 C126,304, 312,317, 337,340 C102,103, 105,306, 313,320, 336,731,		0.022μF, +80 -20% 0.04μF, +80 -20%	6
732,733, 734 C327,709 C113 C117 All Capacito	rs are Mylar	0.1μF, ±20%, 12V 6pF, ±0.5pF 8pF, ±0.5pF type, 50V unless otherwise specified.	2 1 1
C138,720 C135,309, 144,726, 725,330, 331,719, 720 C328,710		470pF, ±20% 0.001μF, ±20% 0.0022μF, ±20%	2 9
C328,710 C125,132, 310 C305		0.0022µF,±20% 0.0047µF,±20% 0.0056µF,±20%	2 3
C703 C127,321, 322,706 C131,325, 326,308, 314,323,		0.0068μF, ±20% 0.01μF, ±20% 0.022μF, ±20%	1 4 7
704 C341,708, 701,705, 707,351		0.039μF, ±20%	6
C721,727	ORS (ELE	0.1µF, ±20% ECTROLYTIC & STYROL)	2
C333 C702 C114,318.		Electrolytic, 0.1µF, 10V Electrolytic, 0.22µF, 10V	1 1 4
714,723 C332,730 C311 C717,724 C722,728 C324 C711,715 C712 C713 C729 C716 C128 C129 C740,741		Electrolytic, 1μF, 10V  Electrolytic, 4.7μF, 25V Electrolytic, 10μF, 16V Electrolytic, 22μF, 10V Electrolytic, 27μF, 10V Electrolytic, 220μF, 6.3V Electrolytic, 240V, 10V Electrolytic, 1000μF, 6.3V Electrolytic, 1000μF, 6.3V Electrolytic, 100μF, 10V Electrolytic, 100μF, 10V Styrol, 270pF, ±5%, 50V Styrol, 1100pF, ±5%, 50V Electrolytic 2.2μF	2 1 2 1 1 1 1 1 1



Tie the drum to the chassis with a rope.



Hook, the free end of another tension spring to the drum and place the dial cord around the drum along its upper groove. Then turn it around the gear by 3 turns.

Fig. 12

Pass it through 2 pulleies and turn it around the drum by 1 turn as shown. Then reform the dial cord stringing neatly.

Hook the free end of a tension spring to the drum at its center

and place the dial cord along a lower groove of the drum

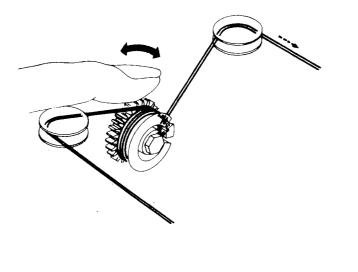
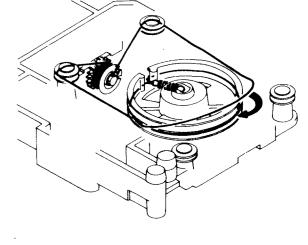


Fig. 9





Wind the cord around the geared drum 3 turns, then loop it through cut openings on the drum a turn, as shown.

Wind the cord around the drum as shown.

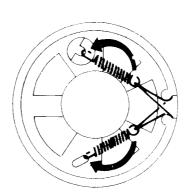
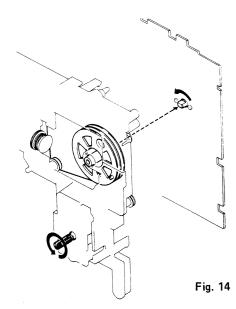


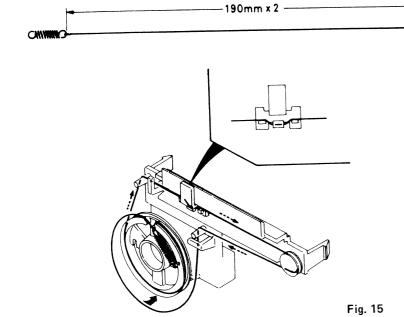
Fig. 13

Shift the hooking point of each tension spring at the respectively specified point as shown.



Mount the drum on the tuning capacitor shaft with its shaft rotated fully counterclockwise when the tuning control shaft is placed at a fully counterclockwise position to provide a lowest frequency indication on dial scale.

HOW TO STRING DIAL CORD FOR WAVE BAND INDICATION \_\_\_\_\_



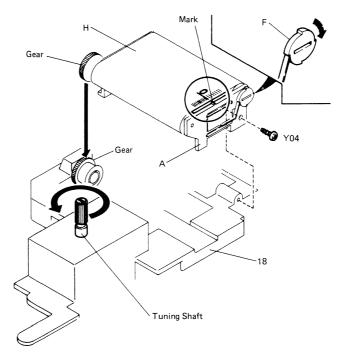


Fig. 16

Turn the tuning shaft fully counter-clockwise and adjust the zero point (on the dial scale) at the projected mark (on the bracket (A)) by rolling the dial scale. Then, mount the dial scale and the bracket on the chassis (18) with a screw (Y04) after engaging the gears of both the dial scale and the chassis with each other. Eliminate a slack in the dial scale by turning the gear (F) clockwise by 10 turns.

## ZERO ADJUSTMENT ON INDICATOR\_\_\_\_\_

Set the band selector switch at MW. Apply a 6V DC source voltage to the unit and adjust the mini-pot (R326) to make Pointer point the letter "1" on the scale. (a center of bold yellow line.)

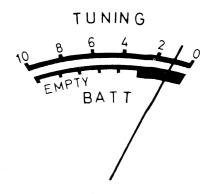
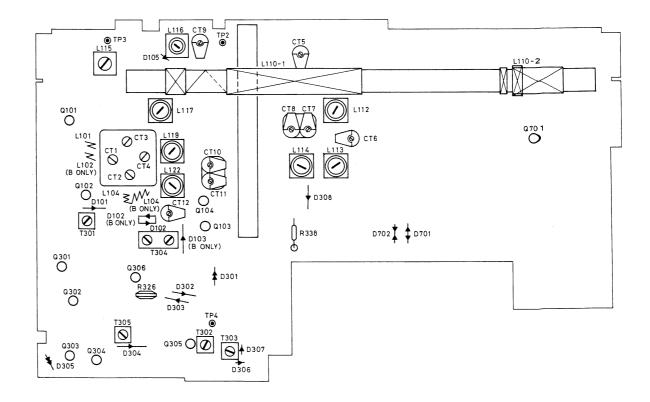
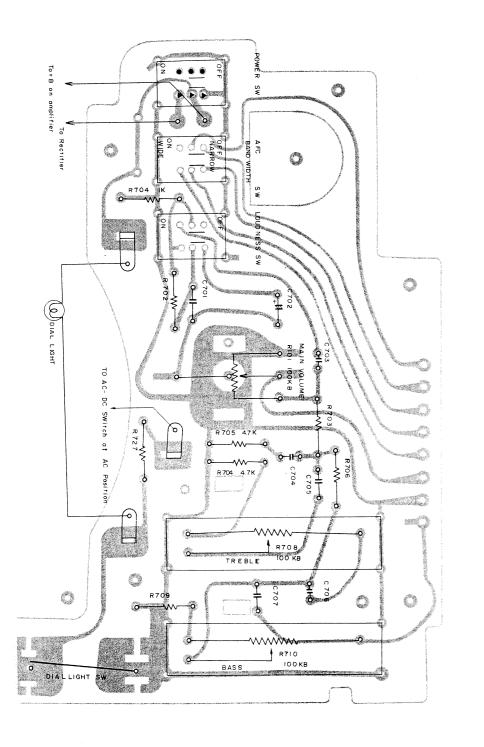
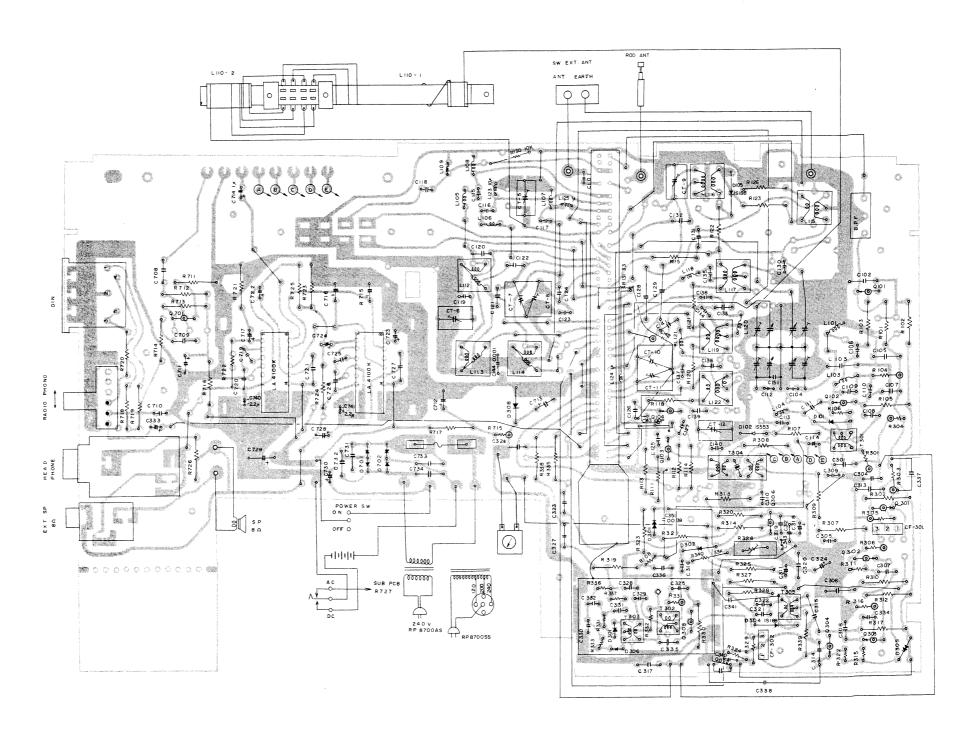


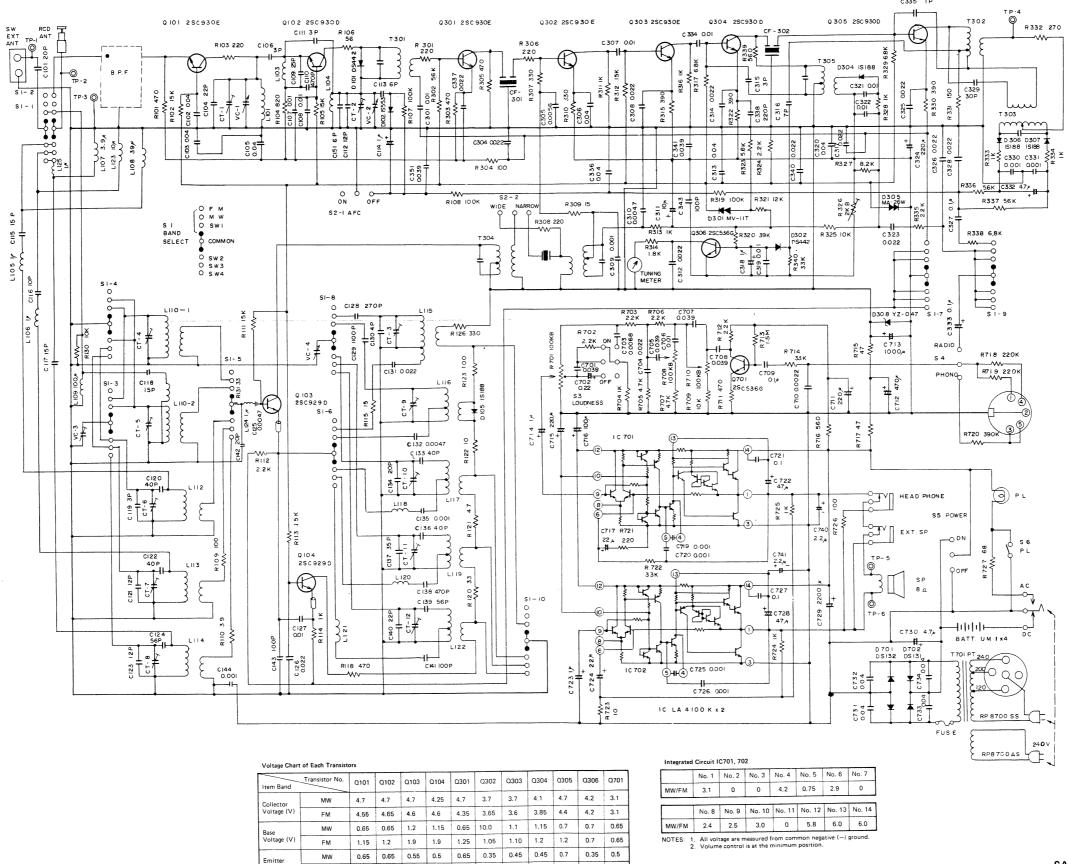
Fig. 17

PARTS LOCATION









NOTES: 1. All voltage are measured from common negative (–) ground.
2. Volume control is at the minimum position.

FM

0.5 0.55 1.9 1.9 0.55 0.35 0.45 0.45 0.5 0.35 0.5

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